

# PROTANK DW EPC-50530

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## PRODUCT DESCRIPTION & USES

**PROTANK DW EPC-50530** is a two-components epoxy solvent free paint which can be applied to drinking water tanks. There is no risk of fire or organic solvent poisoning during application. Excellent safety and hygiene, as it contains no heavy metals. This product gives a high build coating up to 500 microns in a single application using airless spray. This product has excellent toughness, glossy and smooth. This product can be used for the inner walls of drinking water tanks, water pipelines, drinking water containers in beverage, pharmaceutical, food and tap water industries.

## FEATURES

- Excellent Corrosion Resistance
- Good Toughness and Mechanical Properties
- Can Be Applied up to 500 Microns
- Excellent Safety and Hygiene with No Poisoning Effect

## PRODUCT SPECIFICATION

Colors : Cream, Grey  
Finish : Semigloss – Gloss  
Volume Solid : 100%  
Specific Gravity : 1.47 ± 0.05 g/cc  
Flash Point : 125 °C  
Packaging : 20 Liters set  
Storage Stability : 24 Months. If it is stored in cool and dry place, also in its original not opened package. (Do not store below freezing point)

## APPLICATION

Application Condition : 25 – 35 °C, 60 – 80% RH  
Mixing Ratio by Volume :

A Component	:	B Component	=	4.5 : 1 (v/v)
(EPC-50530)	:	(EPCH-50530 PS)		

Thinner or Cleaner : THME-90100, THME-90120 for washing only  
Application Method : Airless Spray                                      Brush/Roller  
Thinning Ratio by Volume : -    -  
Tip Size for Airless Spray Gun : 0.021 – 0.023 inch                                      Air Pressure : approx. 160 bar/2300 psi  
Wet Film Thickness (WFT) : 400 – 500 microns or 15.8 – 19.7 mills  
Dry Film Thickness (DFT) : 400 – 500 microns or 15.8 – 19.7 mills  
Theoretical Coverage : 2.50 m<sup>2</sup>/L set (DFT = 400 microns)  
Pot Life

20°C	30°C	35°C
50 – 60 minutes	35 – 45 minutes	25 – 30 minutes

## FILM PROPERTIES

Drying Time (@ DFT = 400 mic):

- Surface Dry : 12 – 14 hours
- Hard Dry : 30 – 32 hours
- Full Cure : 7 days

20°C	30°C	35°C
12 – 14 hours	10 – 12 hours	9 – 11 hours
30 – 32 hours	20 – 24 hours	20 – 24 hours

Re-coating Interval	:	<b>20°C</b>	<b>30°C</b>	<b>35°C</b>
• Minimum	:	32 hours	24 hours	24 hours
• Maximum	:	14 days	14 days	14 days

Provide adequate ventilation during application and drying.

Note : Epoxy coatings will characteristically chalk and fade upon exposure to sun light

\*For more details please contact PROPAN Technical Supervisor

## RECOMMENDED COATING SYSTEM

Primer Coat	:	<b>PROGUARD HP EPP-20500</b>
Finish Coat	:	<b>PROTANK DW EPC-50530</b>
Recommended Dry Film Thickness	:	1 coat (400 microns / coat)

## SURFACE PREPARATION

1. All surfaces should be clean, dry, and free from contamination in accordance with SSPC-SP 1 solvent cleaning.
2. In case of new steel, abrasive sand blasting to minimum Sa2 in accordance with the SWEDISH STANDARD SIS 05 59 00 and ISO 8501-1: 1988 or SSPC-SP 6 before applying recommended primer coating system.
3. For maintenance areas of breakdown, damage and etc., should be prepared to the specified standard (e.g. Sa 2 (ISO 8501-1)) and primed (if any) prior to the application of PROTANK DW EPC-50530.
4. PROTANK DW EPC-50530 should always be applied over a recommended anti-corrosive (if any) coating scheme.
5. The Primer surface should be dry and free from all contamination (oil, grease, salt, etc.) and over coated with PROTANK DW EPC-50530 within the overcoating intervals specified.
6. Provide adequate ventilation during application and drying.

## INSTRUCTION FOR USE

Prepare one mixture (A+B) as much as needed for application.

First, stir well Comp. A **EPC - 50530** until homogeneous, add Comp. B **EPCH - 50530 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 4.5 : 1 (by volume)**. Mixed material could apply using airless spray, brush or roller. Use Thinner **THME-90100** as solvent cleaner. Do not apply the mixed material after pot life time is over. Provide adequate ventilation during application and drying.

## SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective coating, such as overalls, goggles, dust mask, and gloves. Use barrier cream. Provide adequate ventilation during application. Do not breathe vapor of spray. This product is flammable. Do not smoke. Use only explosion proof equipment.

## FIRST AID

General	:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Eyes	:	In the case of accidental splashes, flush eyes with clear running water for 5 minutes while holding eyelids open. If irritation persists, seek medical attention.
Skin	:	Wash off thoroughly with plenty of water and soap. Do not use solvent or thinner. Removed contaminated clothing. If irritation persists, seek medical attention.
Inhalation	:	Remove affected person to fresh air area, loosen collar, and provide oxygen if breathing is difficult. If affected person is not breathing, administer CPR and seek emergency medical attention.

## **DISCLAIMER**

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.

